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## DUSKTEC TD3C002

# DUSKTEC 6-Inch RGBCW LED Recessed Lighting Instruction Manual

Model: TD3C002

## INTRODUCTION

Thank you for choosing DUSKTEC 6-Inch RGBCW LED Recessed Lighting. This manual provides essential information for the safe and efficient installation, operation, and maintenance of your new lighting system. Please read it thoroughly before use and retain it for future reference.

## IMPORTANT SAFETY INFORMATION

- Always turn off power at the circuit breaker before installation or maintenance.
- Consult a qualified electrician if you are unsure about the installation process.
- Ensure all electrical connections comply with local codes and ordinances.
- This product is designed for indoor use only.
- Do not use with traditional wall dimmer switches. Use the provided remote control for dimming.
- Keep the remote control away from water and extreme temperatures.

## PACKAGE CONTENTS

Verify that all components are present before beginning installation:

- Recessed Lighting units (6 units)
- Remote Control
- Instruction Manual



Image: Contents of the DUSKTEC 6-inch RGBCW LED Recessed Lighting package, showing six light units, two remote controls, and the product box.

## SETUP AND INSTALLATION

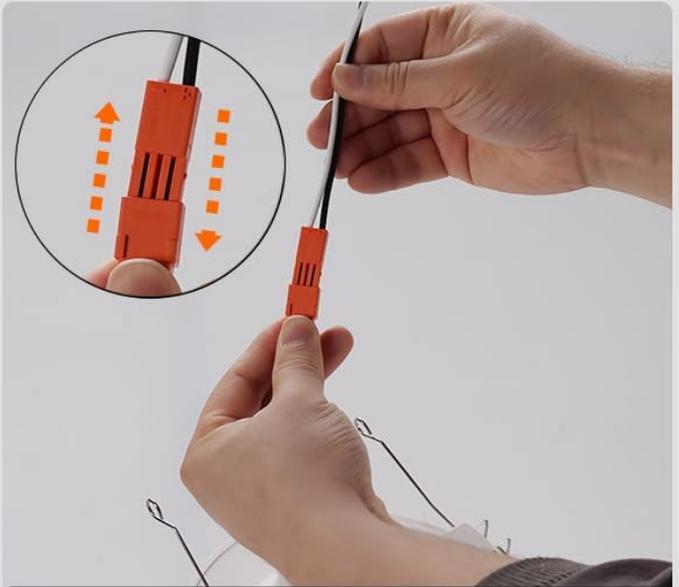
The DUSKTEC 6-inch recessed lights are designed for easy installation in existing 5-6 inch recessed can housings. Follow these steps:

1. **Turn off Power:** Before starting, ensure the power to the fixture is turned off at the circuit breaker.
2. **Remove Existing Trim:** Carefully remove the existing recessed light bulb and trim from the housing.
3. **Screw in E26 Base:** Screw the E26 base adapter of the DUSKTEC light into the existing socket in the recessed can.
4. **Attach Connectors:** Connect the male and female connectors from the light fixture to the E26 base adapter.
5. **Mount Light:** Gently push the light fixture into the recessed can. The spring clips will secure the light in place.
6. **Restore Power:** Turn the power back on at the circuit breaker.

# Easy Installation



**1** Screw the E26 base into the socket



**2** Attach the connectors



**3** Mount light



**4** Control the downlight with Remote

Please use the remote control **(Do not use with dimmer switches)**

Image: Step-by-step installation guide for DUSKTEC recessed lighting.

Your browser does not support the video tag.

Video: A visual guide demonstrating the easy installation process for DUSKTEC 6-inch recessed lighting.

## OPERATING INSTRUCTIONS

Your DUSKTEC recessed lights are controlled using the included infrared remote. No internet connection or complex app

is required.

## Remote Control Functions

# Remote Control

**ON**      **OFF**

Light Off Delay

Dim Up (Fine-tuning)

Dim Down

Fixed Brightness

General Lighting

RGB Colors

Strobe(RGB)

Romantic Mode Smooth

Note: Please use Remote Control (Not for use with dimmer switches)

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**FUNCTION**

One key start, adjust the speed of frequency change using

Preset programs, one key start.

**LIGHT OFF DELAY**

Press once to delay off by 1 minute, press twice in quick succession to delay off by 2 minutes, and so on...

**CANCEL LIGHT OFF DELAY**

1. Power off.  
2. Press any other keys.

Image: Detailed layout of the remote control buttons and their corresponding functions.

- **Power On/Off:** Use the **ON** and **OFF** buttons to turn the lights on or off.
- **Brightness Adjustment:**

- Fixed Brightness: Buttons for 100%, 50%, 30%, 10%, and 0.5% (Night Light Mode).
- Fine-tuning: Use the **Dim Up** and **Dim Down** buttons for precise brightness control.
- **Color Temperature (CCT):** Select from various white light temperatures:
  - Warm White (WW): 2700K
  - Cool White (CW): 6000K
  - Daylight (DW): A balanced white light.
- **RGB Colors:** Choose from 9 distinct RGB colors using the dedicated color buttons.
- **Dynamic Modes:**
  - Flash Mode: For party settings.
  - Smooth Mode: For relaxation.
  - Romantic Mode: Creates a specific ambiance.
  - Strobe (RGB): One key start, adjust frequency using speed buttons.
  - Preset Programs: One key start for pre-configured color sequences.
- **Delay Light Off Function:**
  - Press once for a 1-minute delay.
  - Press twice in quick succession for a 2-minute delay, and so on, up to 12 minutes.
  - To cancel, power off or press any other key.

## Key Features in Operation

- **Sync Function:** Control all nearby recessed ceiling lights simultaneously with one remote. The rhythm of color changes remains consistent across all synced lights.
- **Memory Function:** The last setting (color, brightness, mode) will be retained after turning off the remote control.  
**Note:** This function is not available if the wall switch is used to turn off the lights.
- **No Flicker:** Experience soft, stable lighting that reduces eye fatigue.
- **High Color Rendering Index (CRI >90):** Displays true colors with exceptional accuracy, making objects appear more vivid.

# RGB with Warm to Cool White



| 12 Color



| 3 Dynamic Mode



| 2700K - 6000K



  
Not compatible  
with dimmers

Image: Demonstration of RGB color changing and CCT options in a living room setting.

## Dimmable & Nightlight Mode

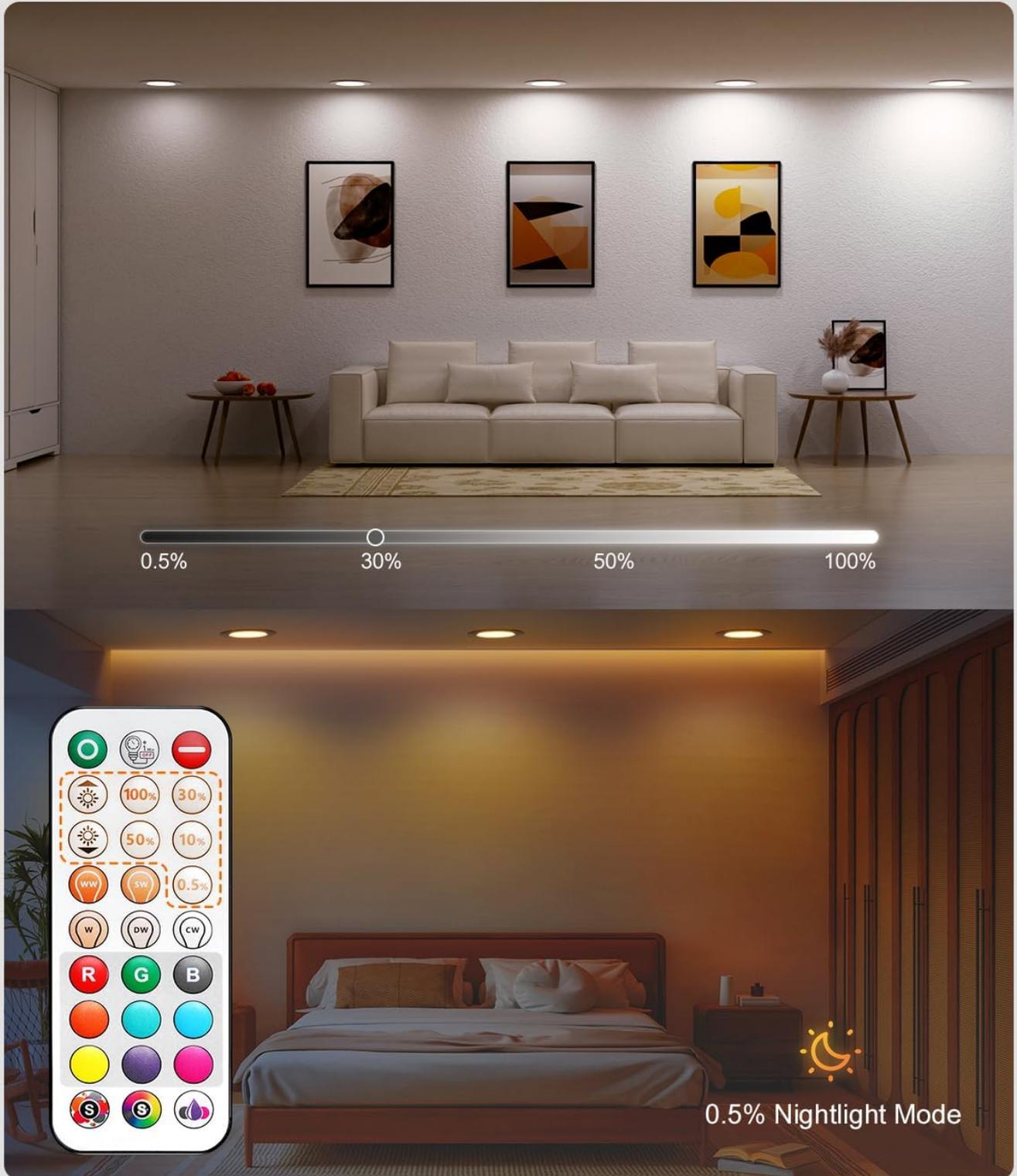


Image: Visual representation of dimmable and nightlight modes.

Your browser does not support the video tag.

Video: A promotional video showcasing the color changing, dimming, and mode features of the DUSKTEC recessed lighting.

## MAINTENANCE

DUSKTEC LED recessed lights require minimal maintenance. Follow these guidelines to ensure longevity and optimal

performance:

- **Cleaning:** Ensure the power is off before cleaning. Wipe the surface of the light with a soft, dry cloth. Do not use abrasive cleaners or solvents.
- **Inspection:** Periodically check for any loose connections or damage. If any issues are found, discontinue use and contact customer support.
- **Bulb Replacement:** These are integrated LED fixtures and do not have user-replaceable bulbs.

## TROUBLESHOOTING

If you encounter issues with your DUSKTEC recessed lighting, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Light does not turn on.	No power, loose connection, remote battery low.	Check circuit breaker. Ensure connections are secure. Replace remote battery.
Remote control not working.	Remote battery low, obstruction, out of range.	Replace remote battery. Ensure direct line of sight to the light. Move closer to the light (max 8m/26ft).
Lights flicker or dim unexpectedly.	Incompatible dimmer switch, unstable power supply.	Ensure no traditional wall dimmer switches are used. Check power supply stability.
Colors are not consistent across multiple lights.	Lights not synced.	Use the remote's sync function to control all lights simultaneously.

## SPECIFICATIONS

Feature	Detail
Brand	DUSKTEC
Model Number	TD3C002
Light Fixture Form	Recessed
Color	RGBCW (RGB + 5CCT)
Material	Alloy Steel, Aluminum, Plastic
Product Dimensions	6.7"L x 6.7"W x 2.05"H
Recommended Hole Cutout Size	5"–6"
Indoor/Outdoor Usage	Indoor
Power Source	Corded Electric
Installation Type	Flush Mount
Special Features	Adjustable Color Temperature, Color Changing, Dimmable, Energy Efficient, Timer
Control Method	Remote (Infrared)
Light Source Type	LED

Feature	Detail
Voltage	120 Volts (AC)
Wattage	13 Watts
Bulb Base	E26
Brightness	1050 Lumen
Efficiency	81 lumens per watt
Color Rendering Index (CRI)	>90
Water Resistance Level	Not Water Resistant
Certifications	ETL

## Dimensions

Recommended hole cutout sizes: 5"~6"



12 Colors



90+CRI



2700-6000K



Remote Control  
Dimmable



16 W

Image: Dimensions and recommended hole cutout size for the DUSKTEC recessed light.

## WARRANTY AND SUPPORT

DUSKTEC products are designed for quality and reliability. For any issues or questions regarding your product, please contact DUSKTEC customer support.

- **Warranty:** The product comes with a 2-year limited manufacturer's support.

- **Customer Service:** DUSKTEC aims to provide quick response with 24-hour service.
- **Contact Information:** For support, please refer to the contact details provided on the product packaging or visit the official DUSKTEC store.



Image: DUSKTEC warranty and support information.

